Condor-MS

Next generation multi-spectral camera for strategic aerial reconnaissance

Based on the market leading CONDOR™ Long Range Oblique Photography (LOROP) solution, the Condor-MS™ is a next generation multi-spectral strategic reconnaissance system.

The Condor-MS extends LOROP's proven ability to collect high-resolution imagery intelligence with the addition of a powerful long-range multi-spectral camera. The Condor-MS™ camera covers a wide spectral range (VNIR, SWIR, MWIR), maximizing the reconnaissance coverage area and target range from high altitudes and long stand-off distances. The system is optimized for high levels of effectiveness in day, night and adverse weather conditions.

Elbit Systems™
ISTAR

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Effective end-to-end strategic reconnaissance solution

Suitable for multiple airborne platforms, the Condor-MS™ is comprised of a fully-proven multispectral long-range camera housed in a compact pod, a Ground Exploitation Station (GES) and an optional Datalink Ground Station. The system's architecture enables an effective end-to-end intelligence cycle – from the Preliminary Intelligence Requirement (PIR) to the analysis and dissemination of images – automatically delivering accurate intelligence on target recognition, geographic location, and change detection.

Built on a heritage of knowledge and technology

The Condor-MS is an upgrade of the existing and proven CONDOR system, with its core technology based on Elbit Systems – ISTAR Division's industry-leading intelligence satellites. The next-generation long-range camera integrates a proven SWIR channel, upgraded IR and EO capabilities and avionics for advanced strategic reconnaissance capabilities. Condor-MS is suitable for a range of airborne platforms, and is contained in a light, compact and aerodynamic pod, enabling the aircraft to carry multiple external weapons and other sensors.

Globally recognized multidisciplinary EO systems house

Developed and manufactured in-house by Elbit Systems – ISTAR Division, all components of the Condor-MS solution have been fully flight tested and proven on other platforms. The CONDOR-MS can be delivered as a comprehensive kit or as an upgrade to an existing solution, and comes complete with an Integrated Logistic Support (ILS) package to ensure long-term upkeep and maintenance.

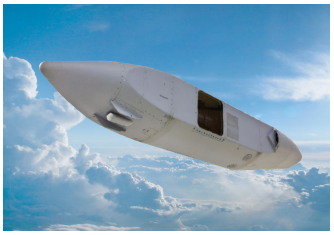
Advanced Ground Station

The Ground Exploitation Station (GES) is the heart of the system, driving the mission's definition, planning, monitoring, updating, exploitation and debriefing capabilities. The GES provides advanced tools for automatically and accurately recognizing and geo-locating targets in extremely short time frames – processing raw images into approved targets within minutes for a more efficient and effective situational analysis.

The system also includes an optional Datalink Ground Station, either mobile or fixed, allowing for two-way communication in real-time between the airborne reconnaissance solution and ground control.

Fully supported by industry leader

Whether delivered as a comprehensive package or as an upgrade to an existing solution, Elbit Systems provides complete Integrated Logistic Support (ILS) for the Condor-MS. The package includes advanced training for air crew, ground crew, interpreters and technicians, as well as test equipment, spare parts and Ground Support Equipment (GSE).



Key Features

- Next generation multi-spectral reconnaissance system
- Compact pod, Ground Exploitation Station (GES) and data links
- Long-range camera modernized with fully-proven SWIR channel
- Upgraded IR and EO capabilities and avionics
- Advanced automatic tools for rapid and accurate target detection
- Integrated Logistic Support (ILS) package

Key Benefits

- Modernization of an existing and proven system
- Highly effective in day, night and harsh weather conditions
- End-to-end intelligence cycle
- Core technology based on Elbit Systems intelligence satellites
- Suitable for multiple airborne platforms
- Shortens the Sensor-to-Shooter loop
- All components – new and old – are full proven and flight tested
- Available as an upgrade for existing customers

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